## Contents

Poreword 1	١
Foreword 2	v
Acknowledgments	vi
Rodent outbreaks: an age-old issue with a modern appraisal G.R. Singleton, S.R. Belmain, and P.R. Brown	1
SECTION 1: RODENT OUTBREAKS AND BAMBOO FLOWERING IN ASIA	11
Chronicle and impacts of the 2005-09 mautam in Mizoram K.P. Aplin and J. Lalsiamliana	13
The Chittagong story: studies on the ecology of rat floods and bamboo masting S.R. Belmain, N. Chakma, N.J. Sarker, S.U. Sarker, S.K. Sarker, and N.Q. Kamal	49
The Chittagong story: a regional damage assessment during a rodent population outbreak S.K.M. Ahaduzzaman and S.K. Sarker	65
Rodent population outbreaks associated with bamboo flowering in Chin State, Myanmar N.M. Htwe, G.R. Singleton, A.M. Thwe, and Y.Y. Lwin	79
Rodent outbreaks in the uplands of Lao PDR B. Douangboupha, G.R. Singleton, P.R. Brown, and K. Khamphoukeo	99
SECTION 2: RODENT IMPACTS IN LOWLAND INTENSIVE RICE SYSTEMS IN SOUTHEAST AND SOUTH ASIA	113
Rodent impacts in lowland irrigated intensive rice systems in West Java, Indonesia Sudarmaji, G.R. Singleton, P.R. Brown, J. Jacob, and N. Herawati	115
Rodent outbreaks in South Sulawesi, Indonesia: the importance of understanding cultural norms  D. Baco, R. Nasruddin, and H. Juddawi	129

Rodent impacts in lowland irrigated intensive rice systems in Vietnam H.N. Huan, V.T.Q. Nga, P.R. Brown, M.T.M. Phung, and G.R. Singleton	139
Socio-cultural factors influencing adoption of ecologically based rodent pest management F.G. Palis, G.R. Singleton, P.R. Brown, N.H. Huan, and N.T.D. Nga	153
Response options to rodent outbreaks following extreme weather events: cyclone Nargis, a case study G.R. Singleton, N.M. Htwe, L.A. Hinds, and W. Soe	171
Analysis of communication pathways and impacts of the Boo! Boo! Rat! campaign R.J.B. Flor and G.R. Singleton	191
SECTION 3: RODENT OUTBREAKS IN OTHER REGIONS: A SEARCH FOR GENERALITIES	205
Rodent outbreaks in Europe: dynamics and damage J. Jacob and E. Tkadlec	207
Rodent outbreaks in Australia: mouse plagues in cereal crops P.R. Brown, G.R. Singleton, R.P. Pech, L.A. Hinds, and C.J. Krebs	225
Rodent outbreaks in New Zealand W.A. Ruscoe and R.P. Pech	239
Rodent outbreaks in North America G. Witmer and G. Proulx	253
Rodent outbreaks in sub-Saharan Africa H. Leirs, V. Sluydts, and R. Makundi	269
Appendix Recipes for rodent culinary delights Compiled by Grant Singleton	281